

ABSTRACT OF THE DISCLOSURE

The luminance of phosphor is enhanced by forming a phosphor screen of a fluorescence generation unit by phosphor expressed by the following composition formula and a display using a white light the luminescent color of which is improved and which has an excellent characteristic is acquired.

Composition formula: $(L_{1-a-b}Gd_aCe_b)_3(Al_{1-c}Ga_c)_5O_{12}:M_d$ wherein, a , b and c are in each range of $0 \leq a \leq 1.0$, $0 < b \leq 0.1$ and $0 \leq c \leq 1.0$, M is dopant of a monovalent ion and is included in phosphor by approximately $0 < d \leq 1000$ wt-ppm. Dopant M of a monovalent ion is at least one type of element selected from a group of K, Na, Li, Cu, Ag and Au.

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